



**PATENT**  
Atty Docket No. 28944/36657

#4  
H. Lee  
4-17-01

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s):	)	Title: Method and System of
	)	Iteratively Detecting and Decoding
Antoine Berthet	)	Received Symbols, Coupled with
	)	Re-estimation of the Coefficients
Serial No: 09/636,237	)	of the Transmission Channel.
	)	
Filed: August 10, 2000	)	

**TRANSMITTAL OF FORMAL DRAWINGS**

Assistant Commissioner of Patents  
Washington, D.C. 20231

Attention: Official Draftsman

Sir:

Enclosed herewith are nine (9) sheets of formal drawings for substitution in the above-referenced application.

Respectfully submitted,

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Reg. No: 30,195

**CERTIFICATE OF MAILING (37 CFR 1.8)**

I hereby certify that this paper and the documents referred to as enclosed therewith are being deposited with the United States Postal Service as first class mail, postage prepaid, on **November 8, 2000**, in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

William E. McCracken  
William E. McCracken

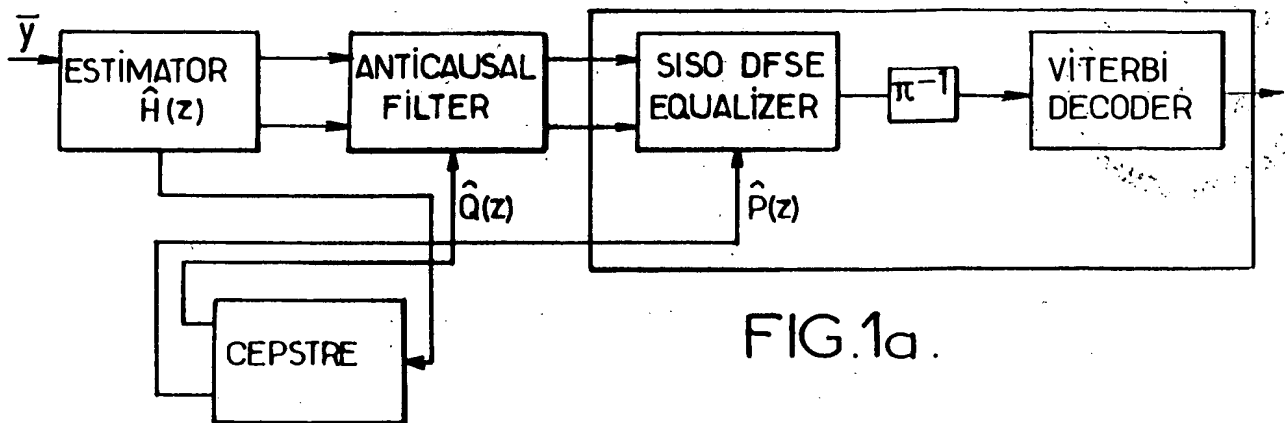
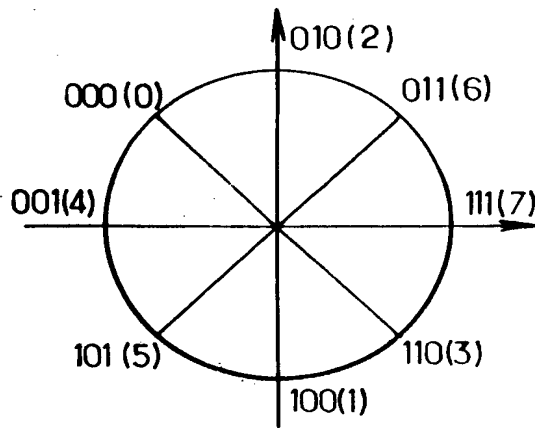
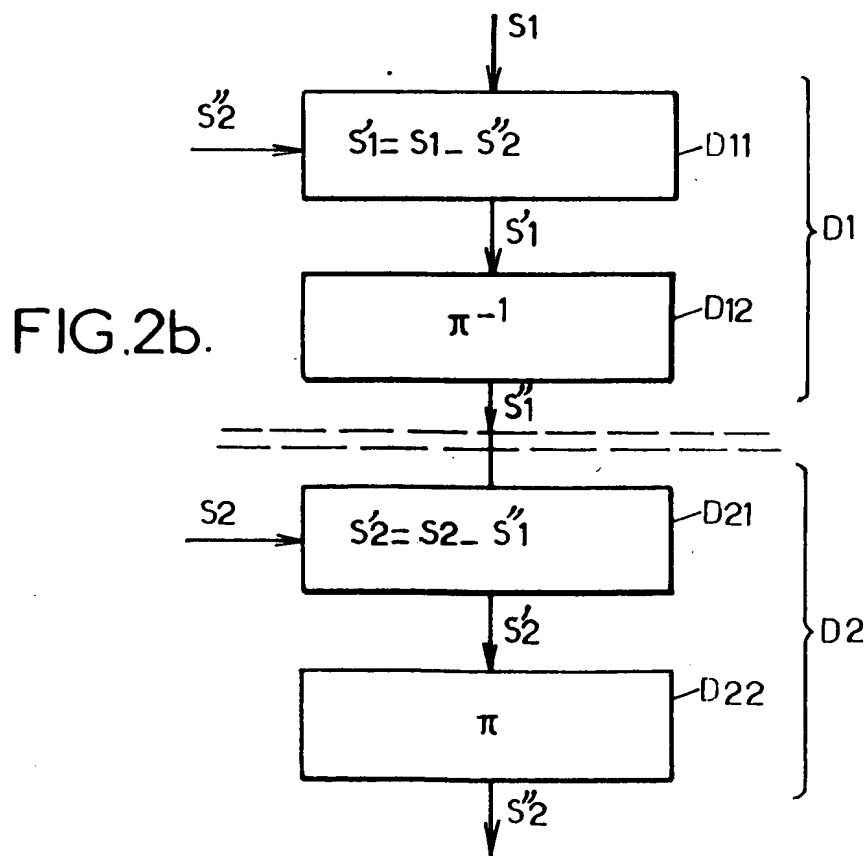
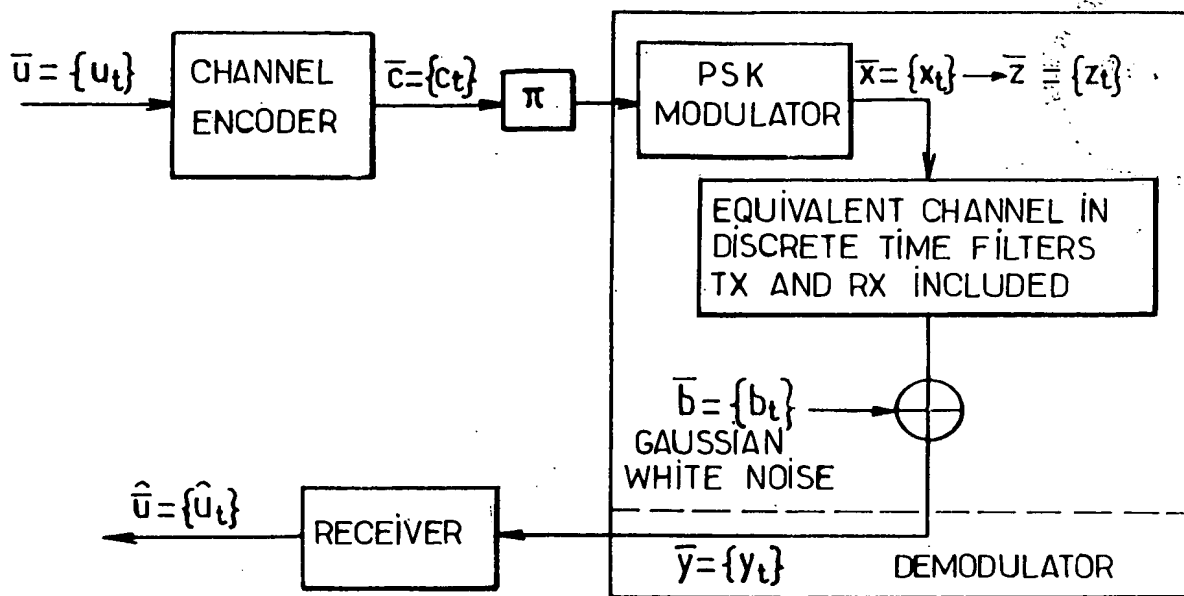


FIG. 1b.  
(PRIOR ART)



3 TAIL SYMBOLS	57 DATA SYMBOLS	26 LEARNING (CAZAC) SYMBOLS	57 DATA SYMBOLS	3 TAIL SYMBOLS	9 HOLD SYMBOLS
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FIG. 1c.  
(PRIOR ART)



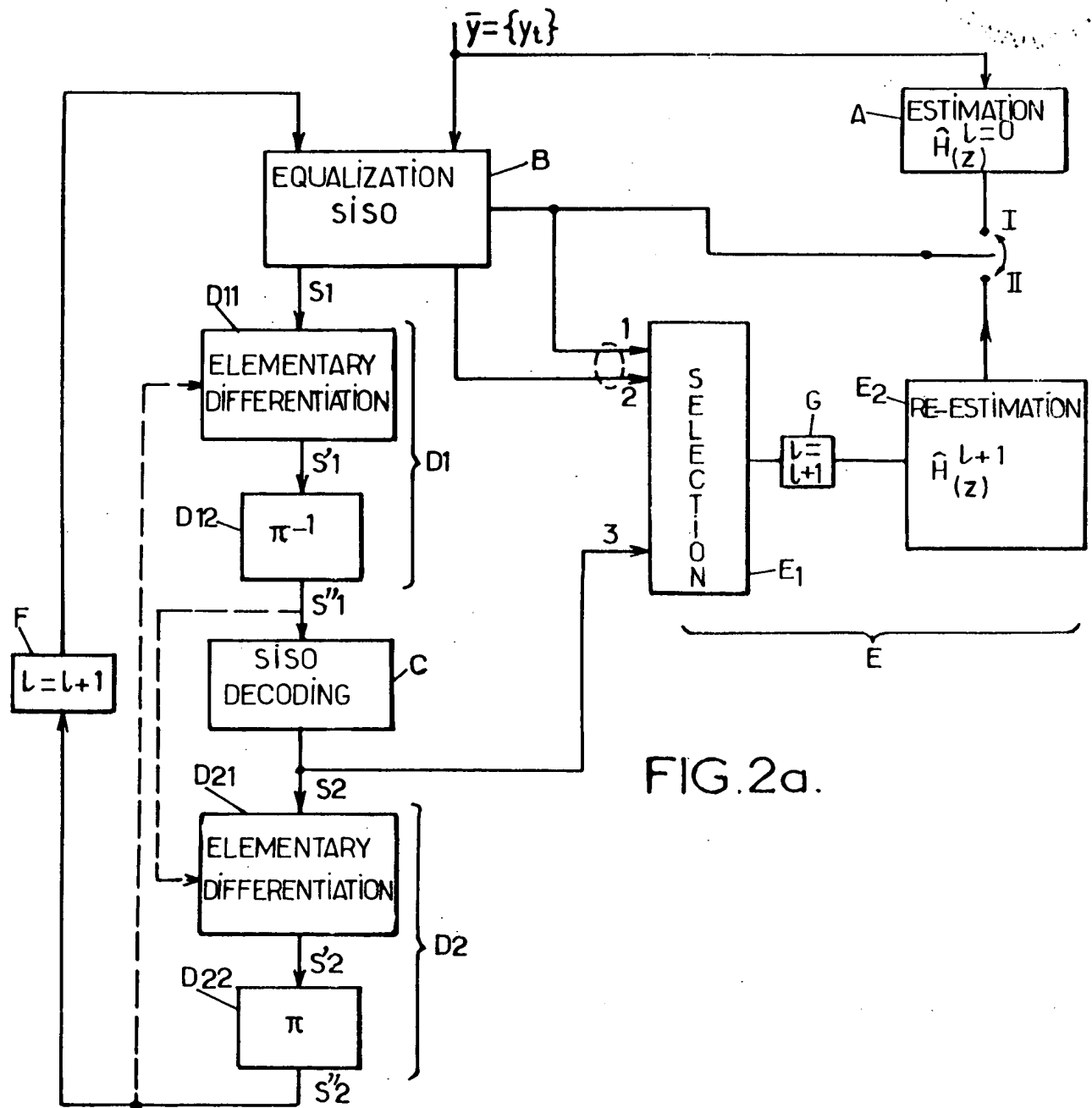


FIG.2a.

FIG. 2C :DDFSE+B\_ST

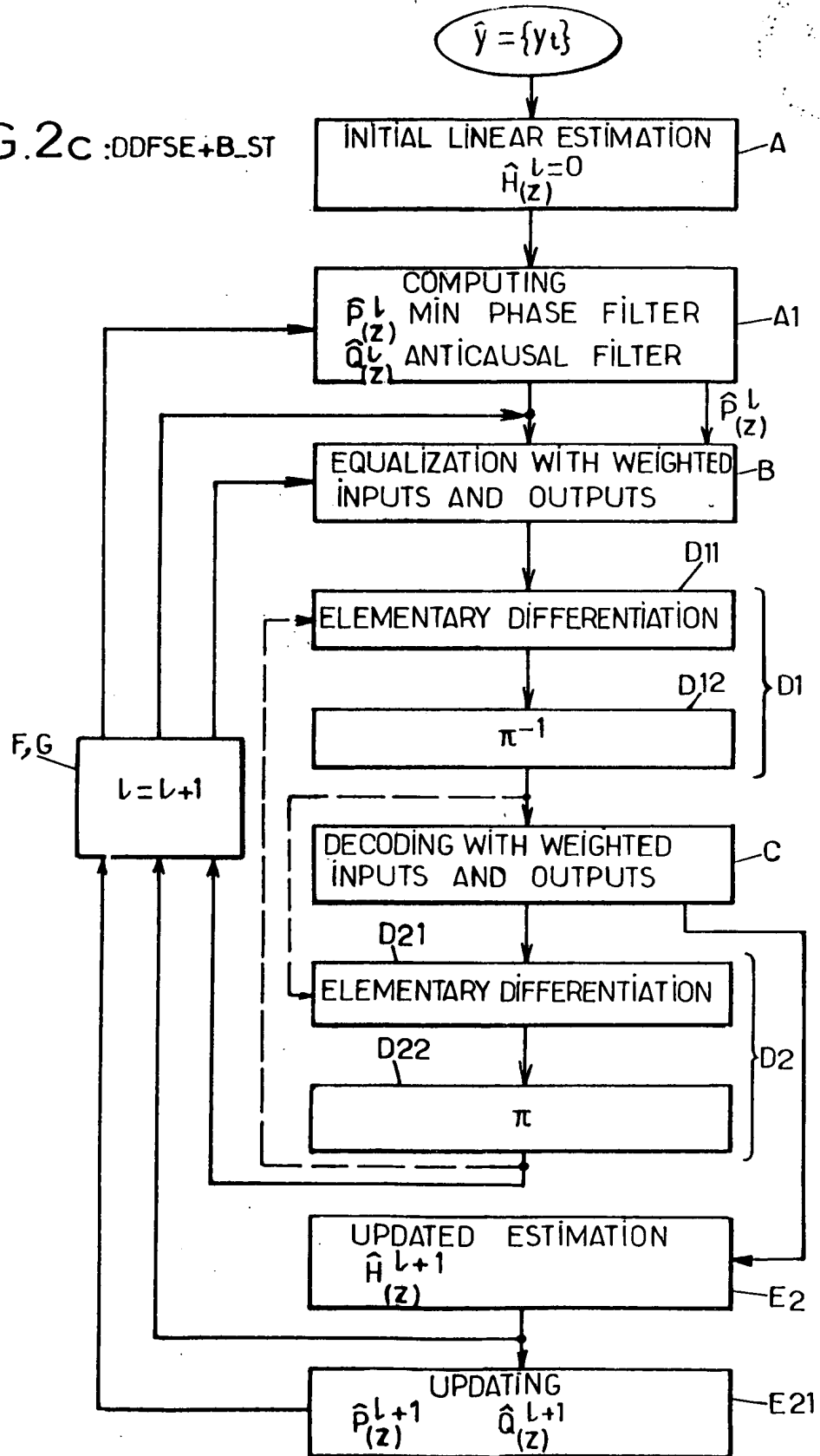
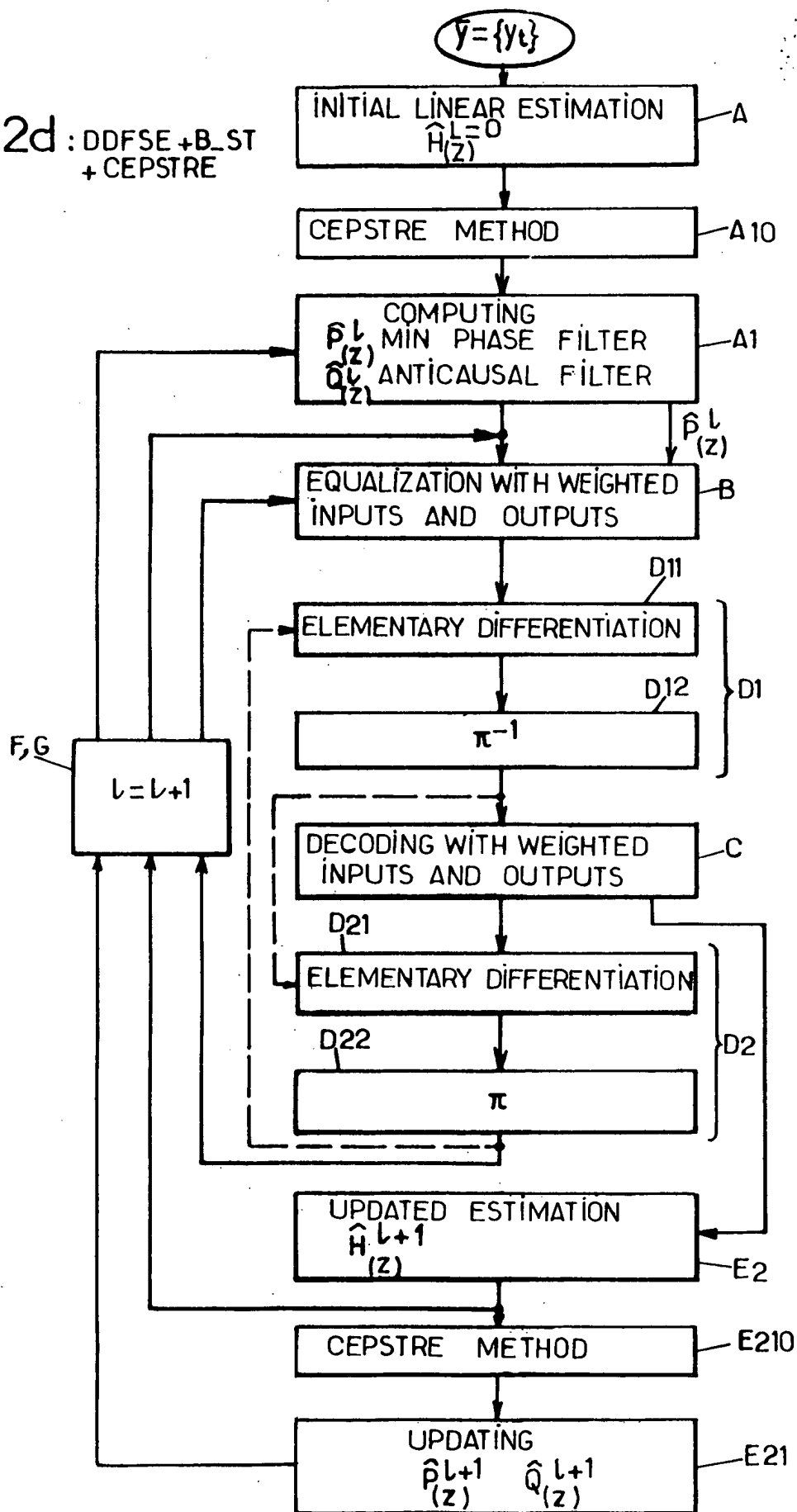


FIG.2d : DDFSE+B-ST  
+ CEPSTRE



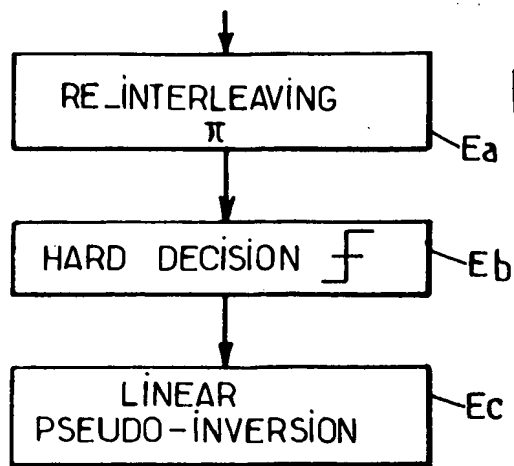
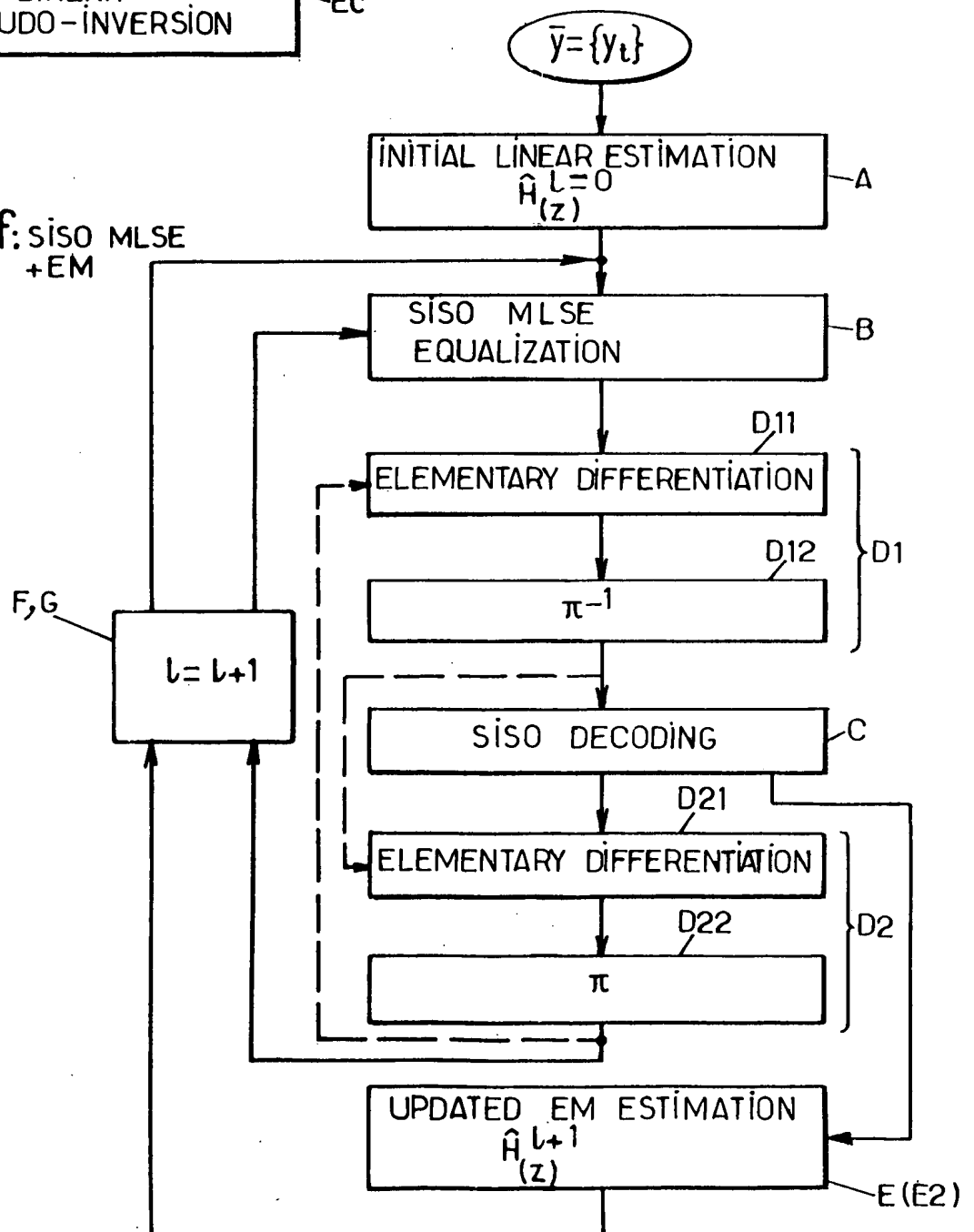


FIG. 2f: SISO MLSE + EM



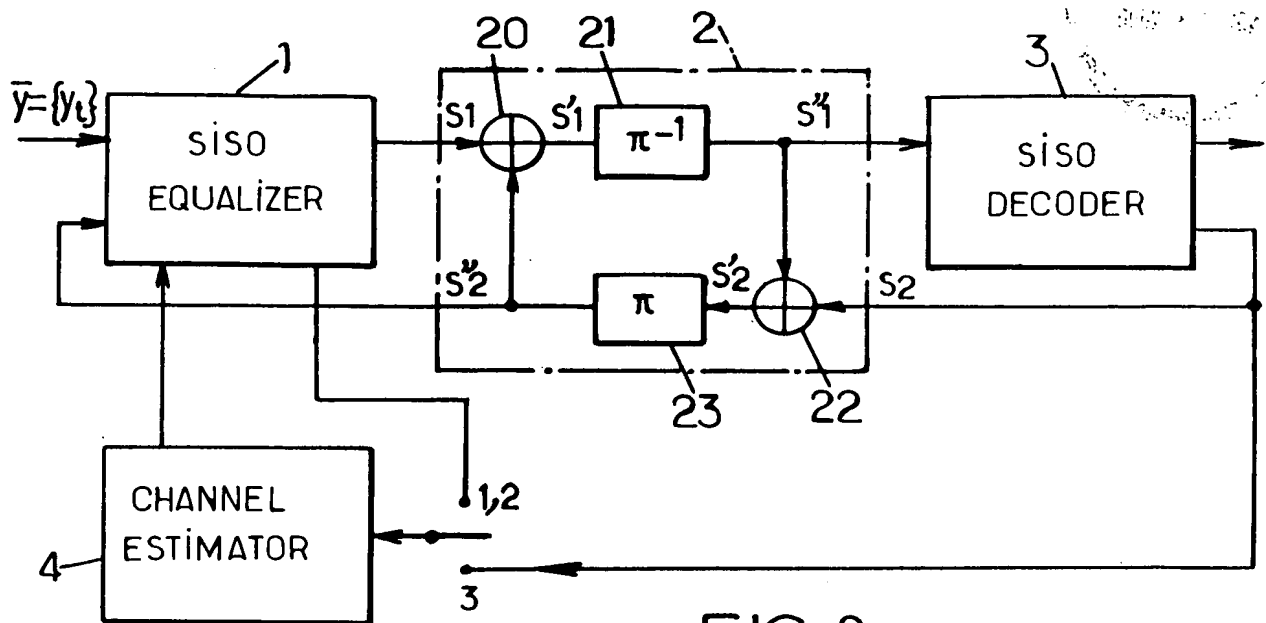


FIG. 3a.

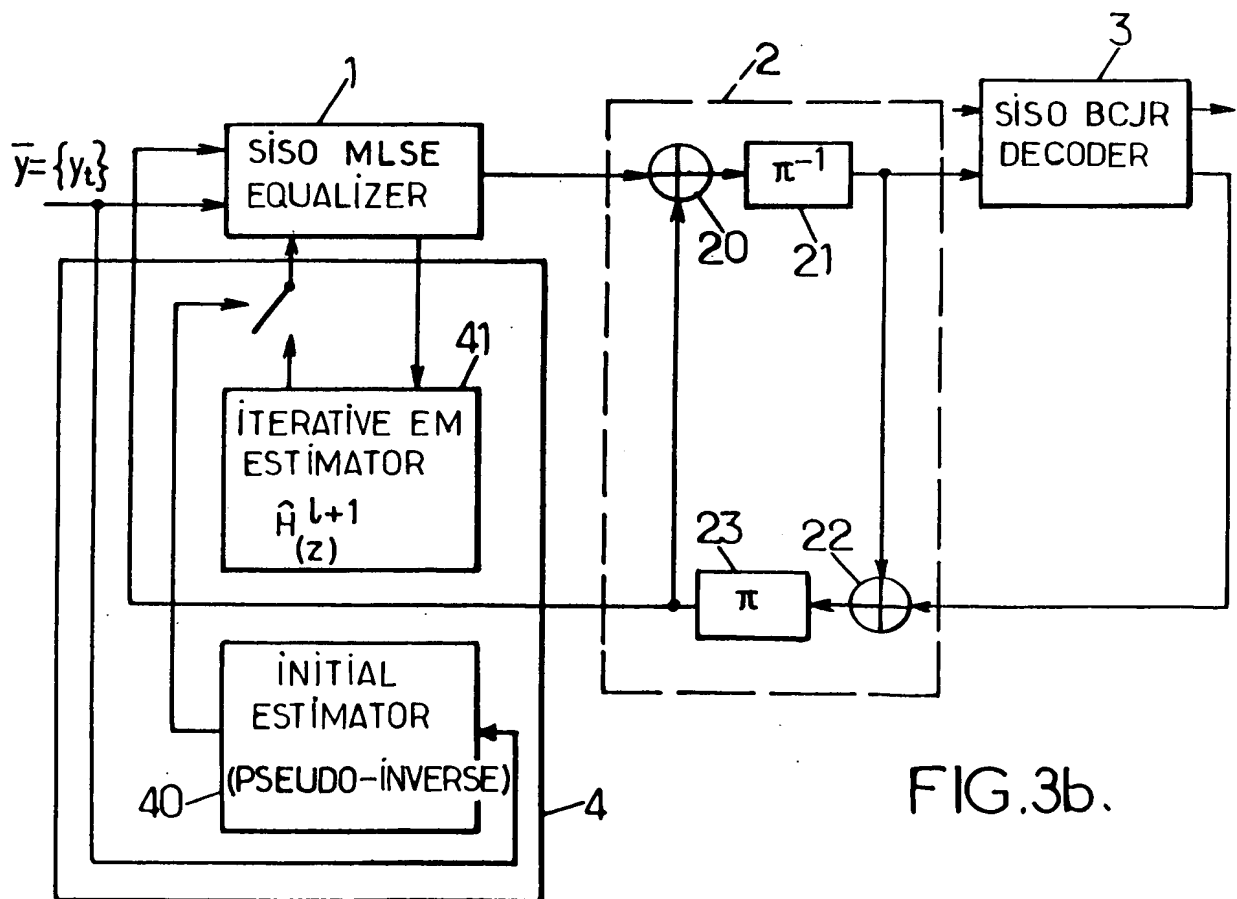
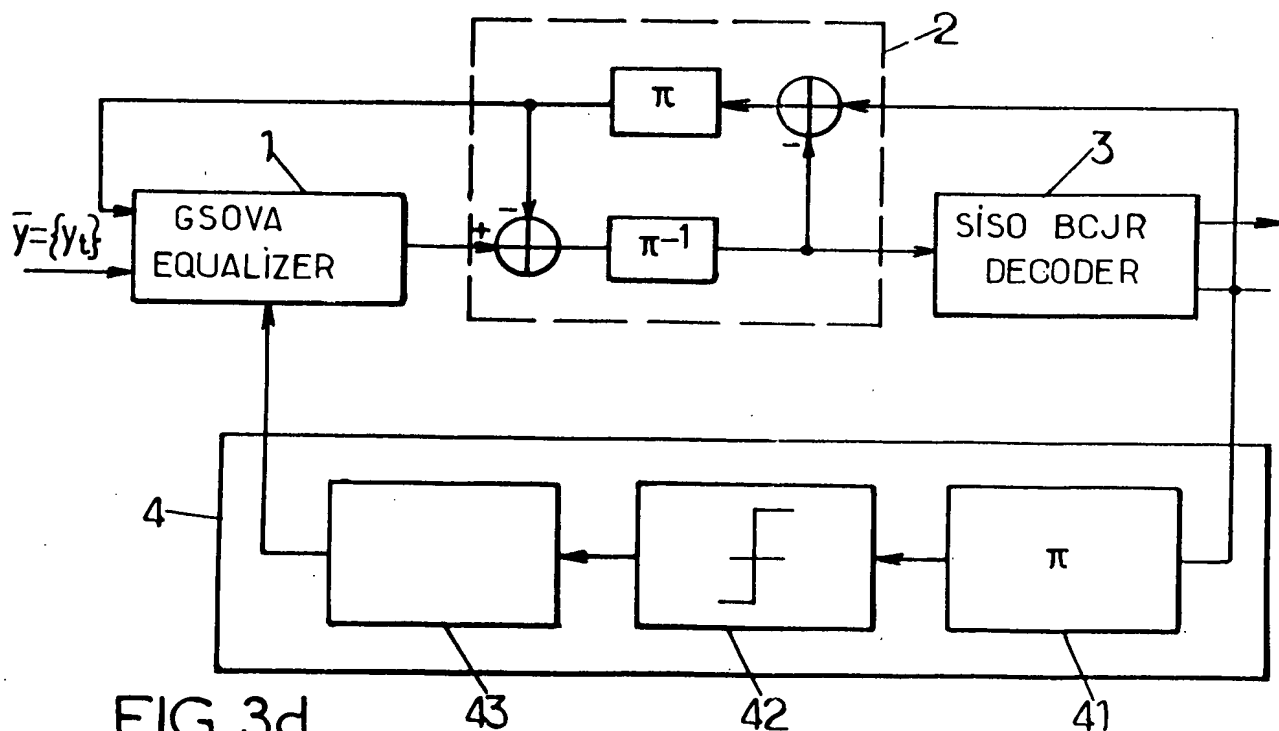
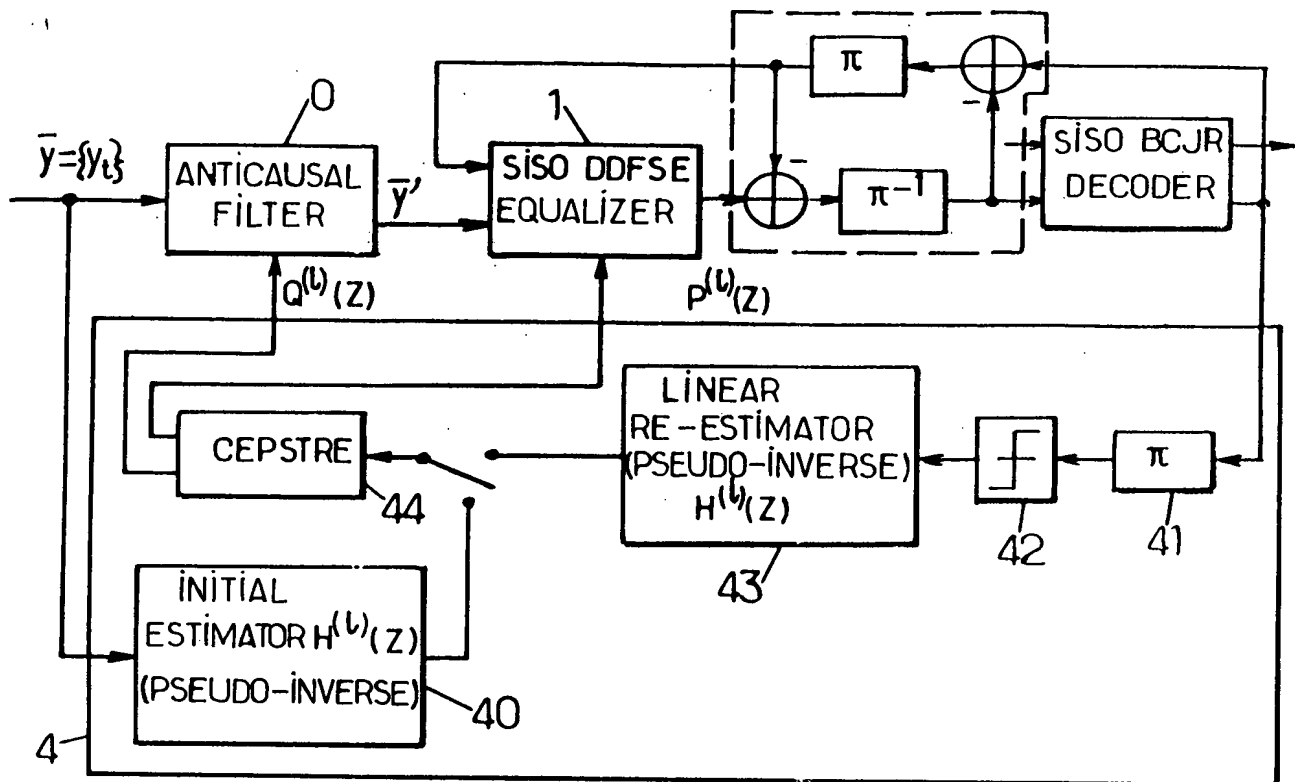


FIG. 3b.





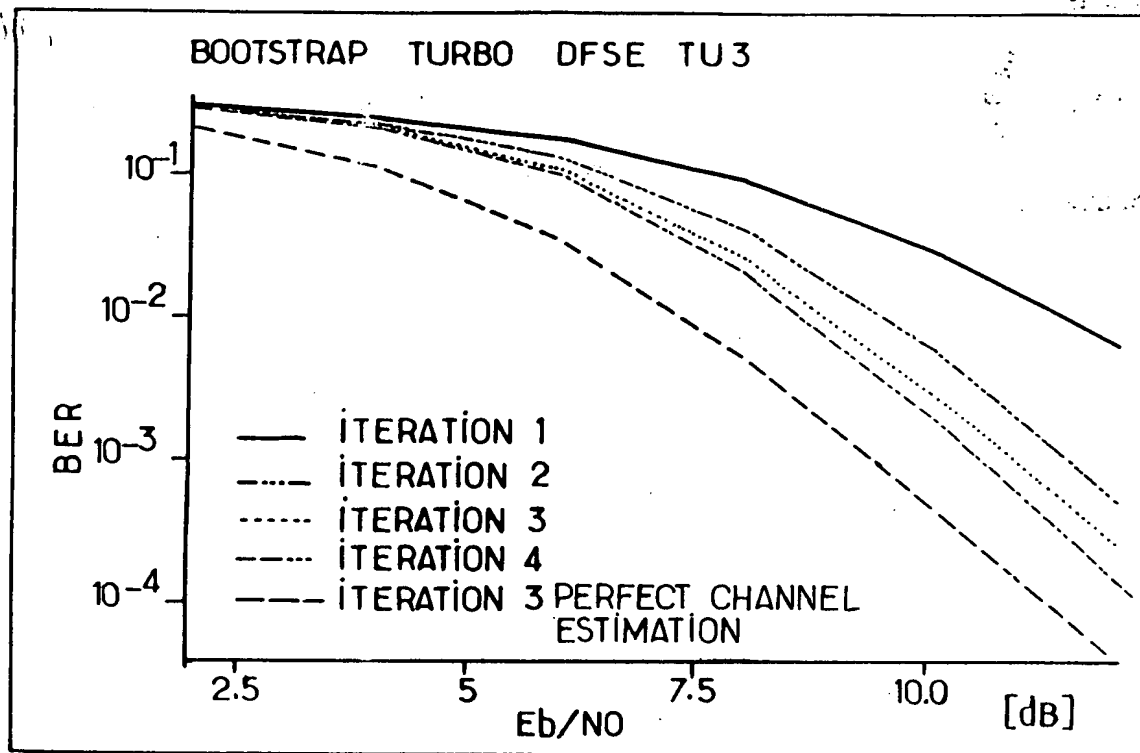


FIG.4a.

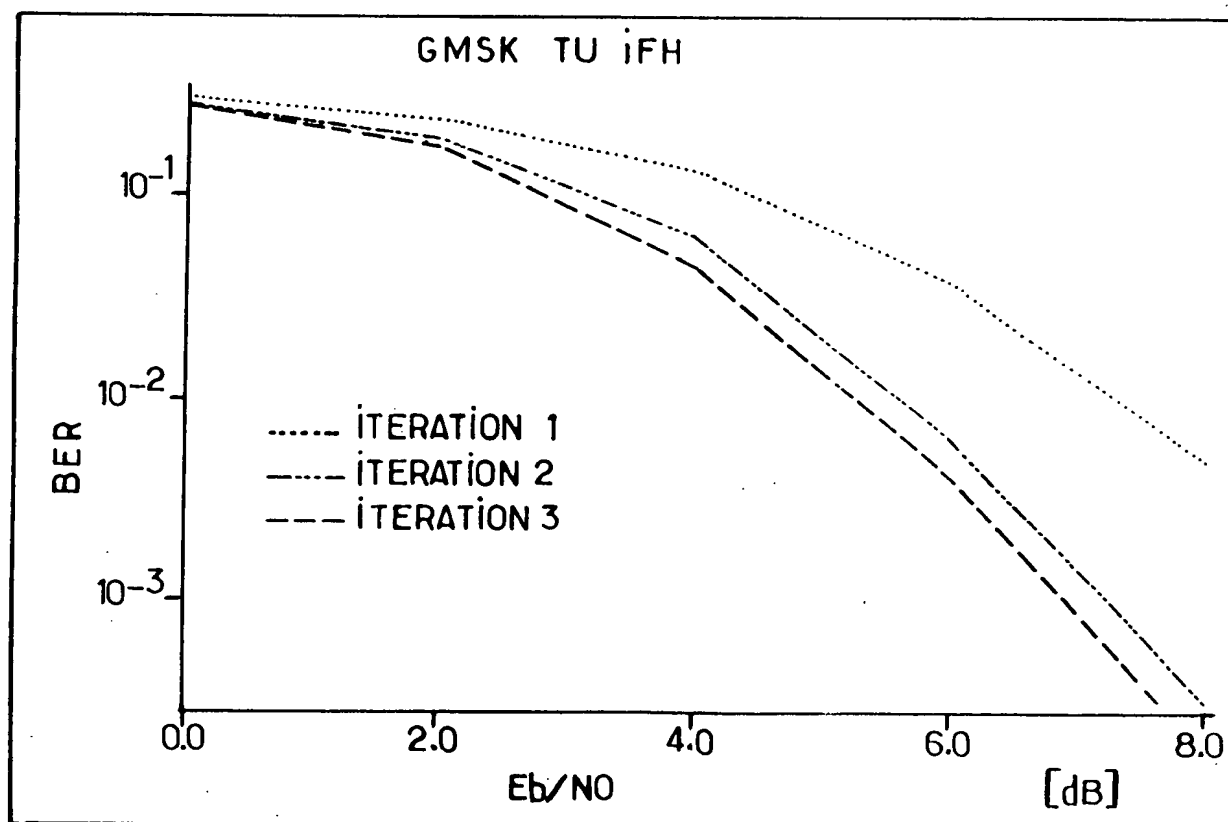


FIG.4b.